

VORONINA, E.G.

Production of experimental glaucoma and its clinical aspects. Biul.
eksp. biol. i med. 38 no.7:30-32 JI '54. (MIRA 7:8)

1. Iz otdela fiziologii i patologii organov chuvstv (sav. chlen-korrespondent AN SSSR prof. N.I.Grashchenkov, konsul'tant akad. M.I.Averbakh) Vsesoyuznogo instituta eksperimental'noy meditsiny imeni M.Gor'kogo, Moskva.
(GLAUCOMA, experimental, technic & course)

USSR/Medicine/Optics

VORONINA, E.G.

RU-671

Card 1/2 Pub. 17-21/23

Author : Voronina, E. G.

Title : Structural changes in the eyes of rabbits with increase of intra-eye pressure

Periodical : Byul. eksp. biol. i med. 7, 73-75, July 1955

Abstract : Previous methods producing secondary glaucoma in animal eyes clogged the anterior parts of the eyes and outlets from the eye. Author introduced a 1% kaolin suspension in physiological solution into the anterior chamber of the eye of a rabbit. At first there was no increase in pressure, only conjunctival and peri-corneal infiltration. After 15-18 days however, the pressure increased in the treated as well as the untreated eye and tissues cleared. All outlets were open and dilated. Author gives detailed description of the histological changes and concludes that extended investigation will be needed for the clarification of the character and dynamics of the changes induced by kaolin, and to answer the question whether there are degenerative changes in the retina and the vascular system of the eye. 5 references, 4 USSR, 1 since 1940. Micrographs.

Card 2/2

Pub. 17-21/23

FD-2957

Institution : Division of Physiology and Pathology of Sensory Organs, (Head:
Active Member Academy of Medical Sciences N. I. Grashchenkov)
All-Union Institute of Experimental Medicine imeni Gor'kii

Submitted : 10 Jan 1954

VORONINA, E.G., aspirantka

Entomophthora infection of plant lices harmful to legumes.
Zashch. rast. ot vred. i bol. 8 no.10347 - 0 '63.

(MIRA 17:6)

1. Vsesoyuznyy institut zashchity rasteniy.

YEVLAKOVA, A. A., VORONINA, E. G.

"Utilization of entomophthoroses of aphids."

report submitted for 12th Intl Cong of Entomology, London, 8-16 Jul 64.

VORONINA, F.V.; PILLE, E.R.; KHESIN, Ya.Ye.

Cytological and cytochemical study of kidney cell cultures from
monkeys infected with simian viruses. Vop. virus. 6 no. 6:710-716
(MIRA 15:2)
N-D '61.

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.
(VIRUSES) (MONKEYS)

LOKHNOVA, S.V.; VORONINA, F.V.

Study of a monkey measleslike virus isolated from a tissue culture
of monkey kidney. Vop.virus 7 no.4:17-23 Jl-Ag '62. (MIRA 15:8)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh prepara-
tov.

(MEASLES) (TISSUE CULTURE)

KHESIN, Ya.Ye.; VORONINA, F.V.; PILLE, E.R.

Sizes of the cell nuclei in normal monostatal cultures of monkey kidney tissue and in those spontaneously infected with viruses.
(MIRA 15:11)
Vop.virus 7 no.5:602-606 S-0 '62.

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh
preparatov.
(TISSUE CULTURE) (CELL NUCLEI) (VIRUSES)

PILLE, E.R.; NADAYCHIK, L.V.; VORONINA, F.V.

Study of ECMO viruses in experiments on monkeys. Vop. virus 8
no.2:204-210 Mr-Ap'63 (MIRA 16:12)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh
preparatov.

VORONINA, F.V.; PILLE E.R.

Study of the multiplication of some simian viruses in tissue culture by the fluorescent antibody method. Vop. virus. 8 no. 5:594-600 S-0'63 (MIRA 17:1)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR i Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

81729
S/020/60/133/01/41/070
B004/B007

5.2200

AUTHORS: Burshteyn, R. Kh., Larin, L. A., Voronina, G. F.

TITLE: The Influence Exerted by Water Vapor Upon the Reaction
Between Germanium and Oxygen

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 1,
pp. 148 - 151

TEXT: In the preceding papers (Refs. 1, 2) the authors proved that in
the reaction between Ge and O a protective layer forms on Ge, which
corresponds to the adsorption of two O atoms on 1 atom of Ge. In the
first, fast stage of the adsorption, a monomolecular layer of GeO is
formed, while in the slow stage a monomolecular layer of GeO_2 forms. As
the properties of germanium semiconductors change under the action of
moisture (Ref. 3), the authors investigated this effect in the following
experiments: Oxygen was adsorbed on oxide-free germanium, after which
water vapor was introduced into the experimental apparatus which, after
some time was again removed by freezing out or sucking out. Fig. 1 shows

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The Influence Exerted by Water Vapor Upon
the Reaction Between Germanium and Oxygen

S/020 82729
B004/B007

that by the action of water vapor, the adsorbing capacity of Ge for O₂ again rises. The passivating effect of the protective layer is disturbed, and thicker oxide layers are formed. This effect was investigated by measuring the difference of the contact potentials (Fig. 2). In pure Ge a linear dependence of the work function on $\log P_{H_2O}$ exists in the interval of partial pressure of from $P_{H_2O} 1 \cdot 10^{-3}$ to 7 torr. With a further increase of P_{H_2O} in the case of an increase of the relative moisture from

50 to 100 %, a rapid increase of the work function, however, occurs. This effect is reversible. After the water vapor has been pumped off, the work function again assumes the value that corresponds to the pure germanium surface. In the case of an oxidized germanium surface, however, the change of the work function as the result of a disturbed structure of the protective layer is only half as great. Fig. 3 shows that at high pressure, the increase of the difference of the contact potential is caused by an increased adsorption of water vapor. Fig. 4 shows the result of experiments with alternating adsorption of oxygen and water vapor. No steady state

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The Influence Exerted by Water Vapor Upon
the Reaction Between Germanium and Oxygen

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B004/B007

sets in because after every contact with water vapor the protective layer is destroyed and germanium becomes capable of adsorbing further oxygen. In this way, the authors explain the aforementioned change on germanium semiconductors in a moist atmosphere. If, however, on germanium which is oxidized on the surface, trichloromethylsilane is adsorbed and polymerized at 150°C, the action of water vapor may be eliminated because the layer has become hydrophobic. The authors thank A. N. Frumkin for his interest in the present investigation. There are 4 figures and 7 references: 3 Soviet, 3 US, and 1 Japanese.

ASSOCIATION: Institut elektrokhimii Akademii nauk SSSR (Institute of
Electrochemistry of the Academy of Sciences, USSR)

PRESENTED: January 28, 1960 by A. N. Frumkin, Academician

SUBMITTED: January 25, 1960

4

Card 3/3

VORONINA, G. S., Cand Med Sci -- "Certain reactivity indicators ^{UN} ~~of~~ dysentery in children." Mos, 1961. (Acad Med Sci USSR. Order of Labor Red Banner Inst of Pediatrics) (KL, 8-61, 260)

- 447 -

VORONINA, G.S.

Significance of the determination of blood serum and its separate fractions in dysentery in children. Vop. okh. mat. i det. 6 no.3: 47-51 Mr '61. (MIRA 14:10)

1. Iz otdela ostrykh detskikh infektsiy Nauchno-issledovatel'skogo pediatriceskogo instituta (direktor - doktor med.nauk A.P.Chernikova, zaveduyushchiy otdelom ostrykh detskikh infektsiy - prof. B.G. Shirvindt, zaveduyushchiy biokhimicheskoy laboratoriye - doktor med.nauk N.Ye. Ozeretskaya) Ministerstva zdravookhraneniya RSFSR.
(BLOOD PROTEINS) (DYSENTERY)

VORONINA, G.S.

Some reactivity indicators in dysentery in children. Pediatrilia 38
no. 7:79-84 J1 '60. (MIRA 14:1)

(DYSENTERY)

BELOV, V.N. [deceased]; SOLOV'YEVA, N.P.; RUDOL'FI, T.A.; VORONINA, I.A.

Macrocyclic lactones. Part 1: Synthesis and infrared spectra
of thialactones. Zhur.org.khim. 1 no.3:546-550 Mr '65.

Macrocyclic lactones. Part 2: Synthesis of sulfonolactones and
thialactone iodomethoxides. Ibid.:551-554

(MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv, Moskva.

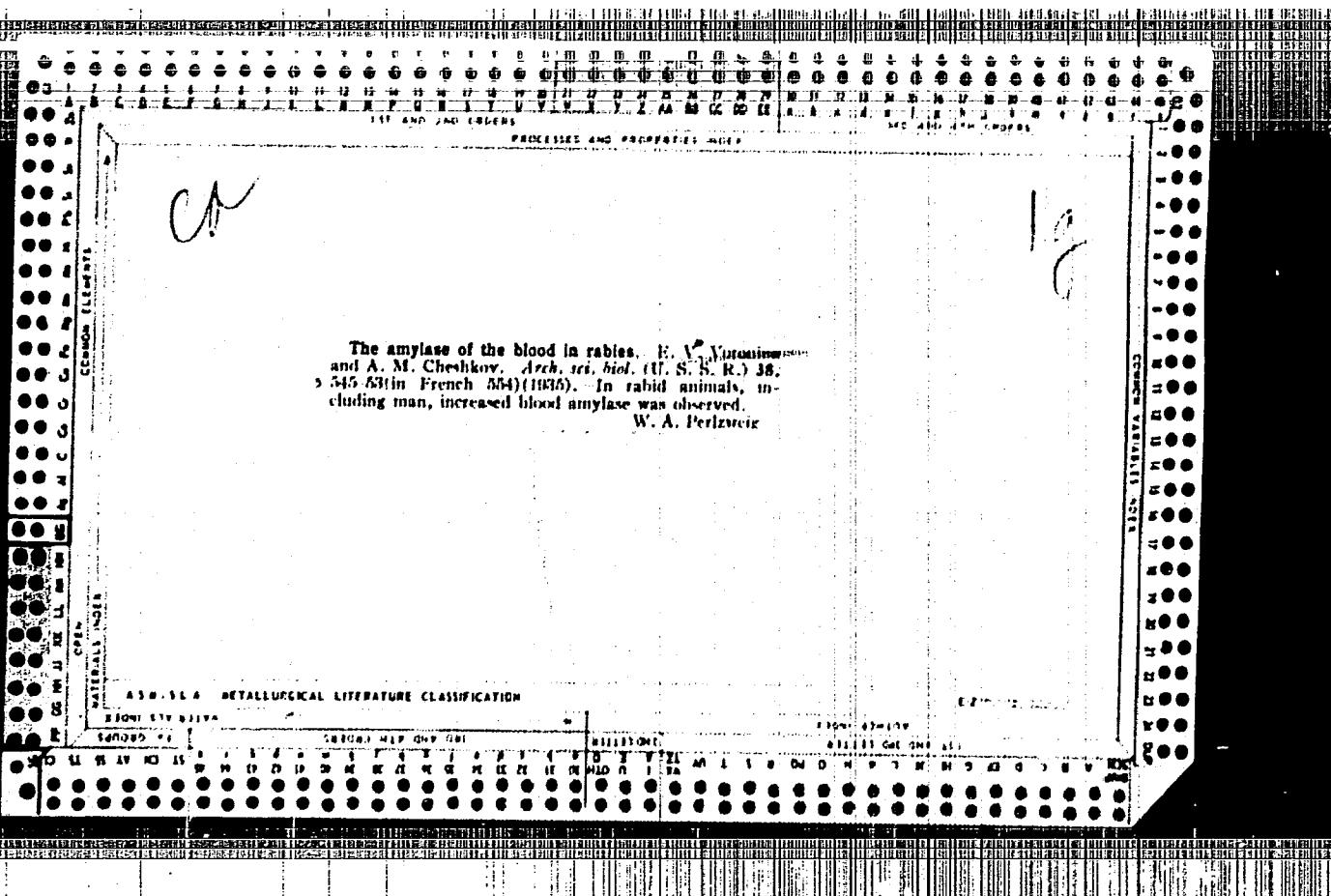
AFANAS'YEV, I.B.; OVAKIMIAN, G.B.; YEREMINA, T.N.; VORONINA, I.B.;
SMAL'S, L.K.; BEER, A.A.

Synthesis of diamines, dicarboxylic acids, and
chloro-substituted monocarboxylic acids based on telomers of
chlorobromomethane with ethylene. Khim.prom. no.10:709-712
0 '62. (MIRA 15:12)

(Amines)
(Acids, Organic)
(Polymers)

VORONINA, I.G.

Diagnosis of Pleistocene alder trees from pollen. Vop. geol. vost.
okr. Rus. platf. i IUzh. Urala no. 5:129-131 '60. (MIRA 14:5)
(Palynology) (Alder, Fossil)



The amylase of the blood in rabies. E. V. Vironimov
and A. M. Chekhov. *Arch. sci. biol. (U. S. S. R.)* 36,
345-351 (in French 554) (1935). In rabid animals, in-
cluding man, increased blood amylase was observed.

W. A. Perlzweig

On a method of production of monocrystalline films of semiconductors.
S. A. Semiletov.

Preparation, structure, and some properties of monocrystalline layers
of lead selenide. S. A. Semiletov, I. P. Voronina.

On a method of preparation of thin films of indium antimonide of
stoichiometric composition. P. S. Agalarzade, S. A. Semiletov,
E. G. Pinsker.

New phases in the system gallium-tellurium. V. V. Vlasov, S. A. Semiletov.

Some questions on the crystal chemistry of semiconductors with the
structure of bismuth telluride. S. A. Semiletov.
(Presented by S. A. Semiletov--20 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds,
Kishinev, 16-21 Sept 1963

SEMILETOV, S.A.; VORONINA, I.P.

Production, structure and some properties of single-crystal
lead selenide films. Dokl. AN SSSR 152 no.6:1350-1353 O '63.
(MIRA 16:11)

1. Institut kristallografii AN SSSR. Predstavлено академиком
A.V. Shubnikovym.

ACCESSION NR: AP4043187

S/0070/64/009/004/0486/0489

AUTHOR: Semiletov, S. A.; Voronina, I. P.

TITLE: Structure and electrical properties of lead telluride single crystal thin films

SOURCE: Kristallografiya, v. 9, no. 4, 1964, 486-489, and insert facing p. 465

TOPIC TAGS: lead telluride, epitaxial growth, single crystal film, polycrystalline film, thin film, single crystal film structure, film electrical property, semiconductor property

ABSTRACT: The structure and electrical properties of single crystal epitaxial films of lead telluride PbTe were determined and compared with the already known properties of polycrystalline PbTe films. Thin (less than 0.5 μ) and thick (up to 10 μ) layers of epitaxial PbTe were grown by vacuum deposition on crystalline NaCl, KCl, mica, or glass substrates heated to 200-400°C. Electronographic and micrographic studies produced evidence of a single crystal, although

Cord 1/3

ACCESSION NR: AP4043187

imperfect (mosaic), structure of all films on an NaCl substrate heated to 300-400°C. Films grown on a KCl substrate had a more nearly perfect structure because of the nearly identical lattice constants of KCl and PbTe crystals. Electrical properties of the films were measured in air, in the 80- to 450-K range. It was established that all thin layers are p-type and all thick layers n-type. Special growth experiments and conductivity measurements on the side of the thick layers adjacent to the substrate made it possible to correlate the conductivity with oxidation of thin layers. The type of conductivity of all single crystal films was independent of that of the initial PbTe material. The electrical conductivity of the films decreased with increasing temperature, but the Hall constant, and therefore the carrier concentration, remained practically constant, that is, the conductivity in the given range is of the impurity type. A decrease in electron mobility with increased temperature is correlated with a parallel decrease in conductivity. The carrier mobility in single crystal films is less temperature-dependent than in PbTe single crystals (0.8 versus 2.5) and is far superior in the best specimens to that of polycrystalline films.

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ACCESSION NR: AP4043187

The carrier concentration was approximately $7 \times 10^{17} \text{ cm}^{-3}$ versus 10^{19} cm^{-3} for polycrystalline films. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Institut kristallografi AN SSSR (Institute of Crystallography, AN SSSR)

SUBMITTED: 25Feb64 ATD PRESS: 3087 ENCL: 00

SUB CODE: SS NO REF SOV: 003 OTHER: 005

Card 3/3

ACCESSION NR: AP4034941

S/0181/64/006/005/1540/1542

AUTHORS: Voronina, I. P.; Semiletov, S. A.

TITLE: The electrical properties of monocrystalline (epitaxial) films of PbSe

SOURCE: Fizika tverdogo tela, v. 6, no. 5, 1964, 1540-1542

TOPIC TAGS: electric property, epitaxial film, lead selenide, Hall constant, electric conductivity, carrier mobility

ABSTRACT: The samples for this study were prepared by volatilizing melts of PbSe and PbSe + 0.5% Se from graphite and tantalum evaporators in a vacuum of 10^{-4} - 10^{-5} mm Hg. The base for each sample was a fresh cleavage face of rock salt heated to 200-400C. The single-crystal character of the film was attested by electron-diffraction studies. Results show that higher temperatures of the base during sputtering lead to greater carrier mobility, a fact clearly related to the structure of the film. The type of conductivity in the film changed when base temperatures reached 480-500C. This was possibly due to solution of oxygen atoms in the film. The maximum mobility was observed for base temperatures of 450-500C and amounted to about $800-1000 \text{ cm}^2/\text{v sec}$, much higher values than

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ACCESSION NR: AP4034941

ever obtained for polycrystalline films of PbSe. The electrical conductivity decreased with increase in temperature. Measurements of the Hall constant show that the impurity concentration between 80 and 450K changes very little. This means that the conductivity in this range is impurity conductivity. Decline in conductivity with rising temperature is due to decrease in mobility. The temperature dependence of carrier mobility in thin films is thus seen to differ from that in large single crystals, and the reason may be the presence of numerous defects and elastic strains in the thin films. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Institut kristallografii AN SSSR, Moscow (Institute of Crystallography AN SSSR)

SUBMITTED: 26Jul63

DATE ACQ: 20May64

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 000

OTHER: 003

Card 2/2

ACCESSION NR: AP4039688

S/0181/64/006/006/1898/1900

AUTHORS: Voronina, I. P.; Semiletov, S. A.

TITLE: Structure and electrical properties of monocrystalline films of lead telluride

SOURCE: Fizika tverdogo tela, v. 6, no. 6, 1964, 1898-1900

TOPIC TAGS: lead telluride, thin film, electric property, electric conductivity, carrier mobility, temperature dependence, carrier density, Hall constant, thermal emf

ABSTRACT: Experimental results are presented of the electrical properties of thin ($\sim 1 \mu$) monocrystalline films of lead telluride. The temperature dependence of the electroconductivity and electron mobility is shown graphically. Both decrease with increasing temperature. Measured values of the Hall constant ranged from 2-20 $\text{cm}^5/\text{coulomb}$. The thermal emf varied from -100 to -300 $\mu\text{v}/\text{deg}$ (relative to copper) depending on the carrier concentration. The measurements of the thermal emf were performed at the IP AN SSSR (Institute of Physics AN SSSR) under the guidance of A. Ye. Sergeyeva. Orig. art. has: 1 equation, 2 diagrams, and 1 table.

Card 1/2

ACCESSION NR: AP4039688

ASSOCIATION: Institut kristallografii AN SSSR Moscow (Institute of Crystallography,
AN SSSR)

SUBMITTED: 13Dec63

DATE ACQ: 19Jun64

ENCL: 00

SUB CODE: MM, SS

NO REF Sov: 001

OTHER: 002

Card 2/2

50-746 Optical properties of single-crystalline PbS, PbSe, and PbTe

Author: Semenov, V. P.; Kortekhina, I. P.

IRV GOTTlieB 10/10/1984 10:17 AM

AUTHORS: Semenov, V. P.; Kortekhina, I. P.

TITLE: Optical properties of single-crystal films of PbS, PbSe, and PbTe

SOURCE: *Radiotekhnika i elektronika*, no. 4, 1965, 515-519

TOPIC TAGS: lead compound optic material, crystal optic property, electron diffraction analysis, refractive index, absorption coefficient

ABSTRACT: The PbS, PbSe, and PbTe samples whose optical properties were investigated were prepared by evaporating the compounds on cleavage planes of naturally occurring crystals heated to 1000°C. The thickness of the layers was determined by the Miller method. The absorption coefficient was measured at 2500 Å, and the refractive index at 5460 Å.

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ACCESSION NO.: AJ-114-12

The absorption curves obtained in the visible range were analyzed by the method of least squares. The procedure developed was similar to that used previously for the analysis of the absorption curves of the films. The absorption coefficient was calculated from the equation $\alpha = \frac{1}{d} \ln \left(\frac{I_0}{I} \right)$, where I_0 and I are the intensities of the incident and transmitted light respectively, and d is the thickness of the sample. The absorption coefficient was plotted against the wavelength in the visible range. The absorption curves obtained for the three samples are shown in Figure 1. The absorption coefficient for the PBS sample was found to be $\alpha_{\text{PBS}} = 4.00$, $\alpha_{\text{PBO}} = 4.46$, and $\alpha_{\text{PPE}} = 5.20$. The width of the forbidden band for the observed transitions were 0.37, 0.20, and 0.29 eV respectively. An analysis of the absorption due to free carriers yielded the following effective electron masses in PBS, PBO, and PPE films: 0.10, 0.12, 0.10 (± 0.03) of the mass of the free electron. All the obtained results are in agreement with the known constants of the corresponding single crystals. The authors take the opportunity to express their gratitude to J. I. Distler¹⁰ for making it possible to obtain the transmission curves of the films and for a discussion of a number of problems.

Card 2/3

ACCESSION NR.: AFS-1981-14

ASSOCIATION: Institut Kristallografi AN SSSR (Institute of Crystallography, USSR)

SUBMITTED: 1981-4 PERIOD: 10 SUB-CODE: N/A

NR REF Sov: 003 OTHER: 006

Card 3/3

VORONINA, K. G. (Senior Lt.) (Vet Service)

Wounding of a kidney in a horse. Veterinariya, Vol 24, No 10, 1947.

VORONINA, K. P.

Cand Tech Sci - (diss) "Properties of fields of projections and their application to the construction of pictures." Moscow, 1961. 9 pp; 2 pages of diagrams; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze); 160 copies; price not given; (KL, 5-61 sup, 188)

VORONINA, K.V.

Vegetation in the northern part of the Caspian Sea region during
the deposition of the "chocolate" type clays. Uch. zap. Sar. un.
64:35-37 '59. (MIRA 13:9)

(Caspian Sea region—Paleobotany, Stratigraphic)

CHIGURYAYEVA, A.A.; VORONINA, K.V.

Secondary pollen and spores in Khvalynian deposits of the Caspian Lowland. Nauch. dokl. vys. shkoly; biol. nauki no.3:120-124 '61.

(MIRA 14:7)

1. Rekomendovana kafedroy morfologii i sistematiki rasteniy Saratovskogo gosudarstvennogo universiteta im. N.G.Chernyshevskogo.
(CASPIAN LOWLAND---PALYNOLOGY)

FURSAYEV, A.D., zasl. deyatel' nauki RSFSR, doktor biol. nauk
[deceased]; VORONINA, K.V.; VOLYNSKIY, B.G., kand. med.
nauk; FREYDMAN, S.L.; BENDER, K.I.; KUZ'MINA, K.A.;
MARTYNOV, L.A.; KUZNETSOVA, S.G.; VINNIKOVA, I.A., red.;
ZENIN, V.V., tekhn. red.

[Medical plants and their utilization in medicine] Lekar-
stvennye rasteniia i ikh primenenie v meditsine. [n.p.]
Izd-vo Saratovskogo univ., 1962. 202 p. (MIRA 16:6)
(BOTANY, MEDICAL)

VORONINA, Lidiya Dmitriyevna, doktor tekhn. nauk; BAKHINOVSKIY, Aleksey
Dmitriyevich, kand. tekhn. nauk; NIKITIN, Vladimir Sergeyevich,
kand. tekhn. nauk; LUCHKO, V.S., red.; SABITOV, A., tekhn. red.
IL'INSKAYA, G.M., tekhn. red.
[Design of mine ventilation] Raschet rudnichnoi ventiliatsii. Mo-
skva, Gosgortekhizdat, 1962. 486 p. (MIRA 16:1)
(Mine ventilation)

VORONINA, L.D., kand.tekhn.nauk, otv.red.; LIDIN, G.D., prof., doktor tekhn.nauk, otv.red.; KHODOT, V.V., kand.tekhn.nauk, otv.red.; VOLKOVA, V.A., red.izd-va; KONDRAT'YEVA, M.A., tskhm.red.

[Problems of mine air studies: on the 85th birthday of Academician A.A.Skochinskii] Problemy rudnichnoi aerologii: k vos'midesiatpiatiletiyu akademika A.A.Skochinskogo. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1959. 335 p. (MIRA 13:5)

1. Akademiya nauk SSSR, Institut gornogo dela.
(Mine ventilation) (Mine gases)
(Skochinskii, Aleksandr Aleksandrovich, 1874-)

ABRAMOV, F.A., prof., doktor tekhn.nauk; BALTYTTIS, V.Ya., inzh.;
BARON, L.I., doktor tekhn.nauk; BATALIN, S.A., dotsent, kand.
tekhn.nauk; BYKOV, L.N., prof., doktor tekhn.nauk; VISEZLOVSKIY,
V.S., prof., doktor tekhn.nauk; VLADIMIRSKIY, V.V., kand.tekhn.
nauk [deceased]; VORONIN, V.N., doktor tekhn.nauk [deceased];
VORONINA, L.D., kand.tekhn.nauk; VOROPAYEV, A.F., prof., dokt.tekhn.
nauk; ZHUKOV, G.I.; KOMAROV, V.B., prof., doktor tekhn.nauk;
KRICHESKII, R.M., kand.tekhn.nauk; KSENOFONTOVA, A.I., dotsent,
kand.tekhn.nauk; LIDIN, G.D., doktor tekhn.nauk; MILETICH, A.F.,
dotsent, kand.tekhn.nauk; MUSTEL', P.I., dotsent, kand.tekhn.
nauk; NOVIKOV, K.P., kand.tekhn.nauk; OGIREVSKIY, V.M., prof.,
doktor tekhn.nauk [deceased]; POLESIN, Ya.I., inzh.; RIPP, M.G.,
dotsent, kand.tekhn.nauk; SOBOLEV, G.G., inzh.; SOLOV'YEV, P.M.,
inzh.; SUKHAREVSKIY, V.M., kand.tekhn.nauk; KHRYFITS, S.Ya., dotsent,

(Continued on next card)

ABRAMOV, F.A.---(continued) Card 2.

kand.tekhn.nauk; KHODOT, V.V., kand.tekhn.nauk; SHCHERBAN¹, A.N.; TERPIGOREV, A.M., glavnnyy red.; SKOCHINSKII, A.A., otv.red.toma; ZAYTSEV, A.P., zam. otv.red.toma; BOBROV, I.V., red.toma; KOMAROV, V.B., red.toma; SIRYACHENKO, F.N., red.toma; VARZIN, A.V., kand.tekhn.nauk, red.toma; KLIMANOV, A.D., dots.,kand.tekhn.nauk, red.toma; KRYVONOGOV, K.K., inzh., red.toma; NEUIMIN, I.N., inzh., red.toma; TITOV, N.G., doktor tekhn.nauk, red.toma; CHIZHOV, B.D., kand.tekhn.nauk, red.toma; GHEDIN, V.Ye., red.izd-va; NIKOLAYEV, V.F., red.izd-va; BASHEVA, T.A., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.

[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red. A.M.Terpigorev. Chleny glav. red.: A.I.Barabanov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshl. Vol.6. [Mine atmosphere and ventilation; controlling dust, gases, and fires; mine rescue work] Rudnichnaia atmosfera i ventiliatsiia; Bor'ba s pyl'iu, gazami i pozharami; Gornospasatel'noe delo. Redkollegiia toms: A.A.Skochinskii i dr. 1959. 375 p. (NIRA 12:6)

1. Chlen-korrespondent AN USSR (for Shcherban¹).
(Mine ventilation) (Mine rescue work)

VORONINA, L.D., kand.tekhn.nauk; LIDIN, G.D., doktor tekhn.nauk, prof.;
KHODOT, V.V., kand.tekhn.nauk

Academician A.A.Skochinskii and the Soviet school of mine
ventilation; on his 85th birthday. Ugol' 34 no.7:59-61 J1 '59
J1 '59. (MIRA 12:10)

(Skochinskii, Aleksandr Aleksandrovich, 1874-)
(Mine ventilation)

ABRAMOV, Fedor Alekseyevich; MILETICH, Anton Fedorovich. Prinimali uchastsiye: DUGANOV, G.V.; RIPP, M.G.; BOYKO, V.A.; VORONINA, L.D., otv.red.; GRISHAYENKO, M.I., red.izd-va; GALANOVA, V.V., tekhn.red.

[Apparatus for controlling mine ventilation] Pribory dlja kontrolija ventilatsii shakht. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 273 p. (MIRA 14:12)
(Mine ventilation—Equipment and supplies)

VORONINA, ED

PHASE I BOOK EXPLOITATION

SOV/5474

13

Terpigorev, A. M., Academician [deceased], Chairman of the Editorial Board, R. P. Kaplunov, Professor, Doctor of Technical Sciences, Deputy Chairman of the Editorial Board, Ye. F. Moskal'kov, Mining Engineer, V. V. Nedin, Professor, Doctor of Technical Sciences, Yu. V. Seledkov, Mining Engineer, O. O. Sosedov, Mining Engineer, and L. Ya. Tarasov, Mining Engineer.

Spravochnik po gornorudnomu delu. t. 2: Podzemnye raboty (Ore-Mining Industry Handbook. v. 2: Underground Operations) Moscow, Gospogor-tekhizdat, 1961. 855 p. Errata slip inserted. 12,000 copies printed.

Scientific Eds. (Titlepage): A. M. Terpigorev, Academician, and R. P. Kapiunov, Professor, Doctor of Technical Sciences; Resp. Ed.; L. Ya. Tarasov; Eds. of Publishing House: M. M. Smirenskiy, and V. N. Partsevskiy; Tech. Ed.: V. L. Prozorovskaya, and M. A. Kondrat'yeva.

Card #16

Ore-Mining Industry (Cont.)

SOV/5474

PURPOSE: This handbook is intended for mining engineers and skilled personnel of the mining industry.

COVERAGE: Volume II of the handbook reviews various methods of underground mining and analyzes the basic principles underlying different types of ore mining operations. Parts I, VI, IX XI, and XV of this volume were written by L. Ya. Tarasov, Mining Engineer. L. Ye. Egel', Geological Engineer, also participated in writing Part I. Part II was written by A. M. Bybochkin, Candidate of Geological and Mining Sciences; Part III by D. N. Ogleblin, Professor, Doctor of Technical Sciences, and M. G. Papazov, Candidate of Technical Sciences; Parts IV, V, and X were written by R. P. Kaplunov, Professor, Doctor of Technical Sciences; Part VII by V. V. Nedin, Professor, Doctor of Technical Sciences, and by Sh. I. Ibrayev, Docent, Candidate of Technical Sciences; Part VIII by N. N. Polyakov, Docent, Candidate of Technical Sciences (deceased) and by M. B. Udalkin, Mining Engineer; Part IX by A. M. Alyamskiy, Docent, Candidate

Card 2/18

Ore-Mining Industry (Cont.)

SOV/5474

of Technical Sciences (deceased); Part XII by G. M. Malakhov, Professor, Doctor of Technical Sciences; and Part XIV by V. N. Voronin, Doctor of Technical Sciences (deceased), and L. D. Voronina, Candidate of Technical Sciences. No personalities are mentioned. Each part of the handbook is accompanied by references, all Soviet.

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Ch. III. Classification of Mineral Resources and of Mining Operations

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Card 16/18-

IGNATENKO, Konstantin Pavlovich, gornyy inzh.; BRAYTSEV, Andrey Vasil'yevich, kand. tekhn. nauk; VEYTS, Yelizaveta Grigor'yevna, gornyy inzh.; VORONINA, L.D., oty. red.; GIL'MAN, S.E., red.izd-va; IL'INSKAYA, O.M., tekhn. red.

[Mine ventilation, lighting, fires, and rescue work] Rud-nichnaia ventiliatsiia, ogvezhchenie, rudnichnye pozhary i gornospasatel'noe delo. Izd.2. Moskva, Gosgortekhizdat, 1961. 266 p. (MIRA 15:4)

(Mine ventilation) (Mine lighting)
(Coal mines and mining---Safety measures)

LIDIN, G.D., prof., doktor tekhn.nauk, otv. red.; KHODOT, V.V., doktor tekhn. nauk, red.; VESELOVSKII, V.S., prof., doktor tekhn. nauk, red.; VORONINA, L.D., kand. tekhn. nauk, red.; SKOBUNOV, V.V., kand. tekhn. nauk, red.; KOSTAN'YAN, A.Ya., red. izd-va; VOLKOVA, V.G., tekhn. red.

[Mine atmosphere] Rudnichnaia aerologiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 259 p. (MIRA 15:7)

1. Akademiya nauk SSSR. Institut gornogo dela.
(Mine ventilation)

KLEBANOV, F.S., kand. tekhn. nauk; ROSSOCHINSKIY, V.I., inzh.;
MYASNIKOV, A.A., kand. tekhn.nauk; BARATOV, E.I.,
kand. tekhn.nauk; MALASHENKO, E.N., inzh.; KOREPANOV,
K.A., kand. tekhn. nauk; SKLYAROV, A.A., kand. tekhn.
nauk; SYROYEZHIN, P.V., inzh.; KUKHARSKIY, M.P., inzh.;
VORONINA, L.D., otv. red.; BERKGAUT, V.G., red.izd-va;
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[Improving mine ventilation methods in hydraulic mining]
Sovershenstvovanie sposobov proveterivaniia vyrabotok
gidroshakht. [By] F.S.Klebanov i dr. Moskva, Izd-vo AN
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(Mine ventilation) (Hydraulic mining)

LIDIN, G.D., prof., doktor tekhn. nauk, otv. red.; KHODOT, V.V.,
doktor tekhn. nauk, red.; VESELOVSKIY, V.S., prof.,
doktor tekhn. nauk, red.; VORONINA, L.D., kand. tekhn.
nauk, red.; SKOBUNOV, V.V., kand. tekhn. nauk, red.;
AYRUNI, A.T., red.; PRUSAKOVA, T.A., tekhn. red.;
GUS'KOVA, O.M., tekhn. red.

[Problems in mine atmosphere] Problemy rudnichnoi aero-
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KHAREV, Aleksey Akimovich; VORONINA, L.D., kand. tekhn. nauk retsenzent;
SUKHACHEV, A.P., gorn. inzh., retsenzent; AYRUNI, A.T., kand.
tekhn. nauk, nauchn. red.

[Mine ventilation, lighting and safety] Rudnichnaia ventilatsiia,
osveshchenie i gornospasatel'noe delo. Moskva, Nedra,
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Ventilation of metal mines after blasting. Moskva, Izd-vo Akademii nauk SSSR, 1943-
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TN306.V66

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SKOCHINSKIY, A.A., akademik, redaktor; RATTNER, V.I., redaktor;
MURASHOVA, N.Ya., tekhnicheskiy redaktor

[Ventilation of ore mines after blasting] Provetrivanie metallicheskikh rudnikov posle vzryvnykh rabot. Moskva, Izd-vo Akademii nauk SSSR. Pt.2. [Instructions for the ventilation of stopes] Instruktsiia po provetrvaniyu ochestnykh vyrabotok. Pod nauchnym rukovodstvom i red. A.A.Skochinskogo. 1946. 104 p. (MLRA 9:9)

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VORONINA, L. D.

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KHAREV, A.A.; VORONINA, L.D., redaktor; GRISHCHAYENKO, M.I., redaktor;
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[Local resistance in mine ventilation networks] Mestnye soprotivle-
nia shakhtnykh ventilatsionnykh setei. Moskva, Ugletekhnizdat,
1954. 246 p.
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V.N., redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor.

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chernoi i tsvetnoi metallurgii, 1954. 424 p. (MLRA 7:11)
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filtered through large-grain mineral lump-coal media. Trudy Inst.
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redaktor; ANDREYEV, G.O., tekhnicheskij redaktor; NADENISTAYA,
A.A., tekhnicheskij redaktor; ALADOVA, Ye.I., tekhnicheskij redaktor

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Gidravlicheski i pnevmaticheskii transport na ugol'nykh
predpriatiakh. Moskva, Ugletekhnizdat, 1956. 290 p. (MLBA 10:4)
(Coal--Handling machinery)

BAGRINOVSKIY, Aleksey Dmitriyevich; YOROMINA, L.D., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; KOSYKH, R.I., redaktor izdatel'stva; KASHINA, P.S., tekhnicheskiy redaktor

[Electrical models of mining ventilation networks] Elektricheskoe modelirovaniye rudnichnykh ventilatsionnykh setei. Moskva, Izd-vo Nauk SSSR, 1957. 54 p.
(Mine ventilation--Electromechanical analogies)

OVECHKIN, Ye.K.; DROZIN, N.N.; KUTSYNA, M.I.; SHESTAKOVA, L.A.;
GERASIMENKO, Ye.I.; Prinimali uchastiye: YEREMEYEV, V.S.;
KATERINCHENKO, V.A.; VORONINA, L.A.

Scale formation in distillation columns of the soda manufacture.
Zhur.prikl.khim. 34 no.9:1987-1995 S '61.
(Distillation apparatus)

ISMAILOV, I.M., inzh.; GAVRILENKO, I.V., kand.tekhn.nauk; Prinimali uchastiye:
KUTYAVIN, S.M.; ORESHKIN, D.K.; TADZHIBAYEV, G.T.; AKHUNDZHANOV, A.I.;
TONKIKH, P.I.; PANCHENKO, A.I.; FEL'DSHER, M.G.; VORONINA, L.D.

Lowering the solvent content in seed meal before treatment in evaporators.
Masl.-zhir.prom. 26 no.10:7-13 0 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Ismailov,
Gavrilenko). 2. Uch-Kurganskiy masloekstraksionnyy zavod (for Kutyavin,
Oreshkin, Tadzhibayev). 3. Sredneaziatskiy filial Vsesoyuznogo nauchno-
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(Uch-Kurgan—Oil industries—Equipment and supplies)

KATS, B.A., kand.tekhn.nauk; SHMITKINA, V.M.; Prinimali uchastiye:
UBAYDULLAYEV, Kh.; VORONINA, L.D.; SHCHEBEL'NIKOVA, G.I.

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by benzene from the prepressed cottonseed cake. Masl.-zhir. prom. 27
no.6:10-12 Je '61. (MIRA 14:6)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhirov.
(Cottonseed oil)

ISMAILOV, I.M., kand.tekhn.nauk; MAKHMUDOV, A.U., inzh.; KLEPIKOV, V.G., inzh.;
Prinimali uchastiye: GORYUNOVA, N.P.; VORONINA, I.D.; BARTOSH, F.E.;
SOLDATKIN, P.S.; KORNEYCHUK, G.P.; KHAMIDOV, N.Kh.; SHUL'ZHENKO, I.P.

Method of grist conditioning according to moisture. Masl.-zhir.prom.
28 no.11:37-39 N '62. (MIRA 15:12)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhirov (for Ismailov, Goryunova, Voronina, Bartosh). 2.
Kattakurganskiy maslozhirovoy kombinat (for Makhmudov, Soldatkin,
Korneychuk, Khamidov, Shul'zhenko).

(Oils and fats)

YEZEVSKAYA, Galina Filippovna; MANYUSHINA, Z.S., kand.khim.nauk, red.;
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[Brief reference-handbook for chemical writers] Kratkoе posobie
avtora-khimika. Leningrad, Gos.in-t prikladnoi khimii, 1959.
123 p.

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(Chemistry)

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Effects of lydol on the intestinal peristaltic function. L.
G. Voronina (1st Med. Inst., Moscow). *Farmakol. i
Toxikol.* 14, No. 6, 49-50(1953).—Effects of lydol (5 mg./
kg.) on peristaltic activity were observed in cats by the
radioscopic method with BaSO₄. Passage of BaSO₄
from stomach to intestine normally complete in 2-4 hrs.,
was incomplete after 5-6 hrs. After stimulating peristalsis
with subcutaneous eserine (0.1-0.2 mg./kg.) lydol (0
mg./kg.) had a pronounced inhibiting effect on the acceler-
ated activity. It appears that the inhibiting action of ly-
dol is neurogenic in nature. Julius P. Spigab.

Chair of Pharmacology

VORONINA, L.G.

Effect of dibazol on motor function of the gastrointestinal tract.
Authors's abstract. Farm. i toks. 17 no.2:15-16 Mr-Apr '54. (MLRA 7:6)

1. Kafedra farmakologii (zav. prof. K.S.Shadurskiy) I Moskovskogo
ordena Lenina meditsinskogo instituta.
(GASTROINTESTINAL SYSTEM, effect of drugs on,
*muscle relaxant dibazol, on motor funct.)
(MUSCLE RELAXANTS, effects,
*dibazol, on gastrointestinal motor funct.)

VORONINA, L. G.

"Influence of Neurotropic Agents on the Course of the Oestrus Cycle." Thesis for degree of Cand. Medical Sci. Sub 30 May 49, First Moscow Order of Lenin Medical Inst.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

Preserving adhesives with antisepsics. P. Ya. Michl and L. I. Voropina. *Mikrobiologiya* 17, 87-90 (1948).—Animal (bone) glue, dextrin glue, and flour paste were thoroughly mixed with an antiseptic, inoculated with *Sterigmatocystis* conidia or with soil, and watched 30 days for growth. For dextrin the antisepsics were $ZnSO_4$, (I), $BaCl_2$, (II), urotropine (III), and 2-naphthol (IV). Keen at 4% I, II and III were ineffective; IV was active at 0.018 and lethal at 0.18%. For bone glue $CdSO_4$, (V), $CuSO_4$, (VI), NaF and diacylamide (VII) were only partially effective up to 15%; IV was lethal at 1%. For flour paste the optimum concn. of IV is 0.37%. While V had some bacteriostatic effect, little or none was observed with VI, VII, and NaF.

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THE JOURNAL OF CLIMATE

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ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001860910017-8"

VUKUNINA, L.M.

SHARPEAK, A.E.; DOVZHIK, M.A.; POPKOVA, V.N.; VORCHINA, L.M. (Moskva)

The efficacy of the N₂ nonspecific diet during convalescence from serious infectious diseases [with summary in English]. Vop.pit. 17 no.2:42-47 Mr-Ap '58. (ZIRA 11:4)

1. Iz kafedry biokhimii (zav. - prof. A.E.Shapenak) Moskovskogo meditsinskogo stomatologicheskogo instituta i infektsionnogo odeleniya (nauchnyy rukovoditel' prof. S.I.Ratner) Klinicheskoy bil'nitsy imeni S.P.Botkina.

(DIETS, therapeutic use
infect. dis., evaluation (Rus))

(COMMUNICABLE DISEASES,
infect. dis., ther., with nonspecific diet,
evaluation (Rus))

KREMEN', K.S.; LIPETS, Yu.G.; MAKAROV, Yu.S.; MEDVEDKOV, Yu.V.;
OLYNYIKOV, I.N.; CHIZHOV, N.N.; VORONINA, L.M., red.;
ZABIROV, B.Sh., red.; NASHAYEVA, E.A., tekhn. red.

[Equatorial and Southern Africa; 1:5 000 000] Ekvatorial'naja
i Juzhnaia Afrika; 1:5 000 000. Moskva, Gos.izd-vo geogr.lit-ry
1961. 1 fold. map. ____ Text. 56 p. (MIRA 15:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii.
(Africa—Economic geography—Maps)

SERGEYEVA, I.S.; VORONINA, L.M., red.; KOSTINSKIY, D.N., red. teksta;
KUZNETSOVA, O.L., tekhn. red.

[Somaliland; 1-2 500 000] Somali; 1-2 500 000. Moskva, Gos. izd-
vo geogr. lit-ry, 1962. ____ Text. 1962. 17 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i karto-
grafii.

(Somaliland--Maps)

OLEYNIKOV, I.N.: VORONINA, L.M., red.; KOSTINSKIY, D.N., red.;
BARANOV, S.V., tekhn. red.

[The Congo; 1:2,500,000] Kongo; 1:2500 000. Moskva, Gos. izd-vo geogr. lit-ry, 1962. [The Republic of the Congo (with Leopoldville as capital)] Respublika Kongo (so stolitsoi v Leopol'dvile. 1963. 30 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Congo (Leopoldville))--Maps)

VOLKOV, V.P.; POLYAKOV, A.I.; KARAKHANOVA, M.I.; VORONINA, L.P.

Petrochemical characteristics and associations of nepheline syenite accessory minerals of the differentiated complex of the Lovozero alkaline massif. Geokhimia no.8:656-665 '61. (MIRA 17:3)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo AN SSSR, Moskva.

4-162+3-56 $\pi^+ \pi^- \pi^+ \pi^-$ $\pi^+ \pi^- \pi^+ \pi^-$ $\pi^+ \pi^- \pi^+ \pi^-$ $\pi^+ \pi^- \pi^+ \pi^-$

ACCESSION NR: AT5006935 S-2082/64/000/051/0004/PW081

AUTHOR: Fantek, I. S., Panchikar, G. M., Voropina, N. A.

TITLE: Boron-containing polymers thermal neutrons

SOURCE: Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti. Trudy, no. 51, 1964. Neftekhimika, neftekhimicheskiye protsessy i naftopreparaty (Petroleum chemistry, petroleum processes and oil products), 1964.

TOPIC TAGS: neutron detector, neutron absorption, boron analysis (thermal neutron, polyether resin, organoboron compound)

ABSTRACT: The object of the work was to study the possibility of preparing sufficiently efficient detectors for use in neutron-absorptiometric analysis with particular reference to analysis for boron. The preparation of a polyether resin (the boron-containing component) from ethylene glycol and boric acid is described. The phosphorus is prepared by mixing zinc sulfide with the melt of this resin. When ethylene glycol is employed, the viscosity of the melt is lowered and the introduction of zinc sulfide is facilitated. The method should not be used for the preparation of continuous detectors. A tabulation of the characteristics of boron-containing detectors is given. One detector is described.

Card 1/2

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ACCESSION NR: AT5006935

tables, and 1 formula.

ASSOCIATION: Institut neftekhimicheskoy i gazovery promyshlennosti, Moscow
(Petrochemical and gas industry institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: NP, IC
NO REF Sov: 001 OTHER: 001

Card 212-65

VORONINA, M.L.; TUSHMALOVA, N.A.

Effect of 5-hydroxytryptophan (serotonin precursor) on food-procuring conditioned reflexes in rabbits. Zhur. vys. nerv. deiat. 13 no.6:1071-1076 N.D '63. (MIRA 17:7)

1. Kafedra fiziology vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta imeni Lenina.

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SHMAKOVA, V.I.; YUZHAKOVA, N.N.; REZNICHENKO, V.G.; GLEBOV, I.T.; VOLKOV, A.S.;
URZLIA, N.Ye.; BEKHTEREV, P.A.; RYS', G.I.; YORONINA, M.N.; GOZOZDINTS-
KIY, I.N.; VARAKSINA, N.P.; MASTERSKIKH, M.A.; GONCHAROVA, V.A.;
BICHEVINA, A.N.; SOROKIN, M.A., red.; GRIN', Ye., tekhn.red.

[Economy of Altai Territory during the past 40 years; a statistical
manual] Narodnoe khoziaistvo Altaiskogo kraia za 40 let. Sovetskoi
vlasti; statisticheskii sbornik. Barnaul, Altaiskoe knizhnoe izd-vo,
1957. 110 p. (MIRA 11:3)

1. Altayskiy kray. Statisticheskoye upravleniye. 2. Statistiches-
skoye upravleniya Altayskogo kraya (for all except Sorokin, Grin')
1. 3. Nachal'nik Statisticheskogo upravleniya Altayskogo kraya
(for Sorokin)
(Altai territory--Statistics)

ACCESSION NR: AP4043323

8/0191/64/000/008/0024/0027

AUTHOR: Tsvetkov, V. N., Voronina, M. P., Kurachenkova, L. M., Sokolova, N. A.

TITLE: Development of a method for evaluating the technological properties of polyvinylchloride resins from their maximum rate of dissolution in cyclohexanone

SOURCE: Plasticheskiye massy*, no. 8, 1964, 24-27

TOPIC TAGS: polyvinylchloride, resin, cyclohexanone, tabletting, resin mechanical property, resin evaluation, cyclohexanone solubility, polyvinylchloride solubility

ABSTRACT: In order to develop a new testing technique, the technical properties of polyvinylchloride resins were determined and compared with the kinetics of dissolution of microsamples in cyclohexanone. The preparation of the sample and the design of the mold for tabletting the resin are described. A disk 16 mm in diameter was cut out from the molded tablet and dissolved in 40 ml of freshly distilled cyclohexanone in a glass vessel at a temperature of $50 \pm 0.1^\circ\text{C}$. The weight of the sample before the experiment was 58-60 mg. At 3-minute intervals, for 45-60 min., the weight of the sample was determined to 0.1-0.2 mg. The amount of dissolved polymer (mg) and the rate of dissolution $s(\text{mg}/\text{min})$ were then plotted against time in integral and differential curves, respectively. The maximum dissolution rate depended on the average molecular weight of the resin. Two rates appeared

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ACCESSION NR: AP4043323

on the kinetic curves: a low and high final rate of dissolution. A polymer having unbranched molecules and a homogeneous molecular-weight distribution (low degree of polydispersity) can be dissolved at a high final rate. The low final rate is due to either high branching of the polymer chains, or high polydispersity. Both factors also impair the processability of the resin. The following characteristics were obtained: s (max. rate) = 1.13 mg/min., final rate = 0.50 mg/min., max. τ = 36 min., total τ = 44 min., v (slowing down of the dissolution at the end of the reaction) - 0.064 mg/min.; s_{final} , s_{max} and v are thus the most important characteristics. There is a great difference between resins obtained by latex polymerization and those obtained by suspension polymerization. The f_{final} , f_{max} and v values are high for latex resins; thus they are very processable. This method is a good control method for making resins, because it simultaneously gives information as to the expected behavior of the polymers during processing. Orig. art. has: 8 figures, 3 tables and 1 formula.

ASSOCIATION: None

SUBMITTED: 00

SUB CODE: OC, MTF

Card 2/2

NO REF SOV: 001

ENCL: 00

OTHER: 003

VORONINA, N.; KOKOSHKO, A.

Economics literature issued by the Higher Party School and the
Academy of Social Sciences Publishing House attached to the Central
Committee of the CPSU in 1961. Vop.ekon. no.5:114-115 My '61.
(MIRA 14:5)

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PLOTNIKOV, K.N.; KOGAY, A.V., kand.ekonom.nauk; LARIONOV, K.A., prof.;
TSAPKIN, N.V., dotsent; VORONINA, N., red.; NAUMOV, K.M.,
tekhn.red.

[Finances and credit of the U.S.S.R.; textbook] Finansy i kredit
SSSR; uchebnoe posobie. Moskva, Izd-vo VPSh i MGN pri TsK KPSS,
1962. 253 p. (MIRA 15:2)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
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